



Mufledrain Wing
Drainage channel

Mufledrain Wing: safety of the steel rail and bolted locking system

Mufledrain Wing is the Mufle range of products designed for industrial and infrastructural areas, where the activities (loading and unloading of goods, transit of heavy vehicles, etc.) require the highest performance features.

The channel body, completely made of HD-PE, is equipped with a galvanized steel rail, suitable and certified up to the F 900 load class.

The rail, perfectly anchored to the channel body, has a thickness of 4 mm in the area subject to the traffic effects and a thickness of 2 mm to support for the grating area. Four M8 Bolts for every 50 cm fix the gratings to the channel body.

The fixing system also gives the name to this product range where B, stays for bolt, in the number of 4 per grating.

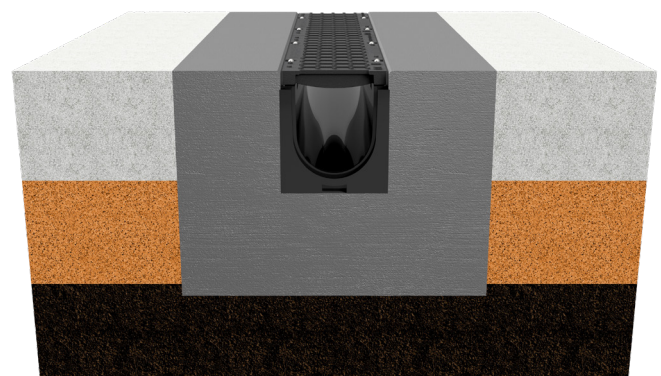
Typical applications

- Areas subject to loading / unloading of goods; container handling with transit of forklifts and trucks.
- Parking areas with high and constant traffic
- Roads and highways
- Viaducts
- Petrol stations
- Industrial areas
- Port and airport areas.



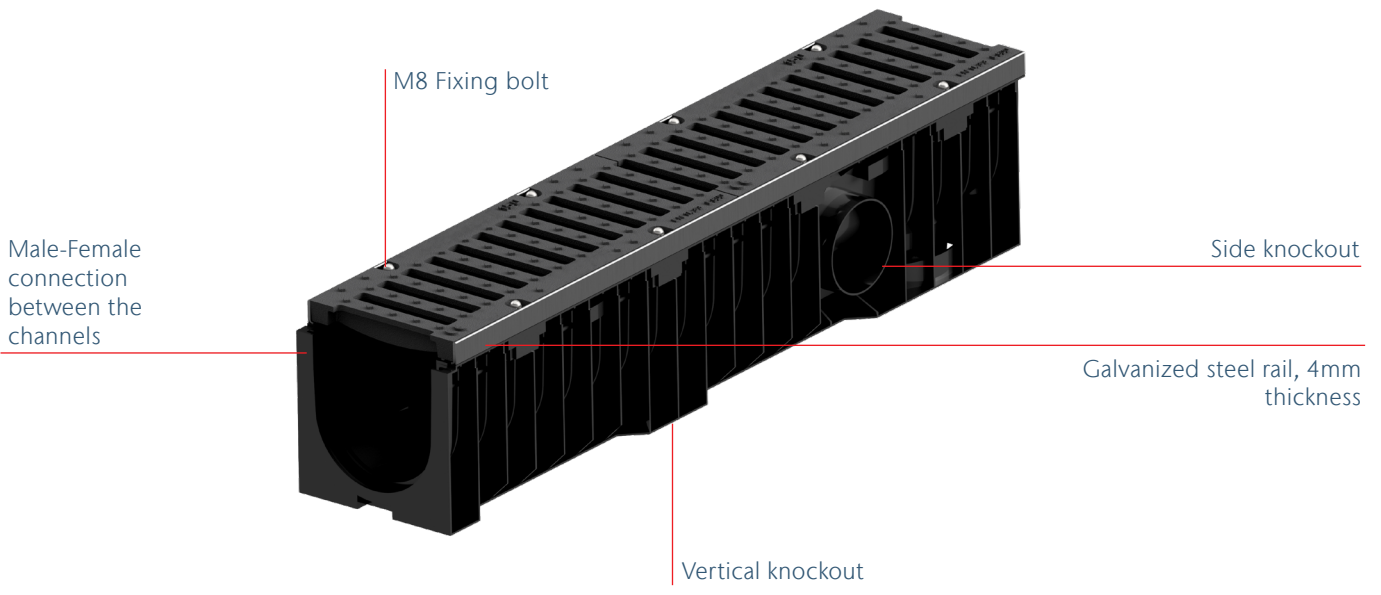
Main Features

- HD-PE channel body certified for load class C 250 - F 900 according to EN 1433: 2008
- Galvanized steel rail
- 3 different nominal widths available: 100, 150, 200 mm
- With vertical and lateral knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channels H55 and H80 mm
- Sump unit with foul air trap*
- 4 bolts fixing system for each grating
- Special pieces for corners, "T" couplings and cross couplings are available



Example of installation

System overview



Mufledrain Wing 100

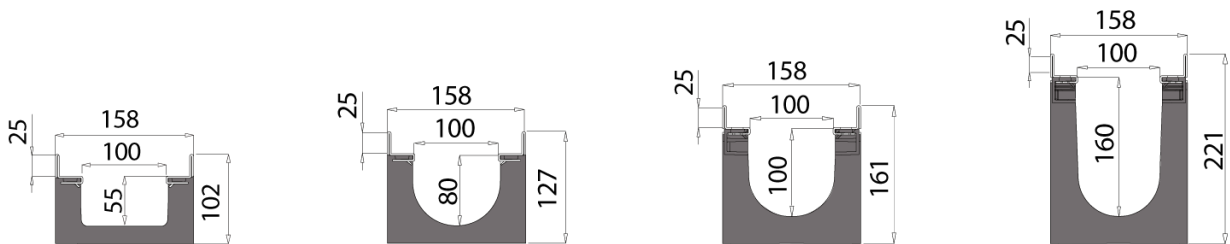
Product Information

- HD-PE drainage channel, internal width: 100 mm
- Galvanized steel rail
- Load class D400, F900 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- Vertical outlet kit Ø100 and Ø110 mm for channel H55 and H80 mm; knockout on all other sizes
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request








Mufledrain Wing 100 channel with galvanized Steel rail

Length 1000 mm, total width 158 mm

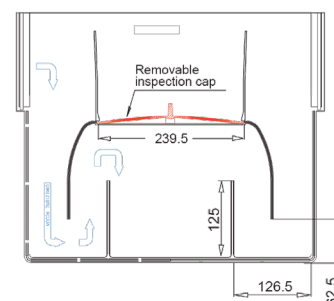
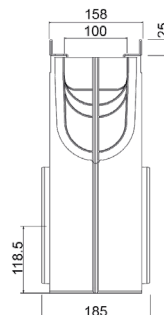
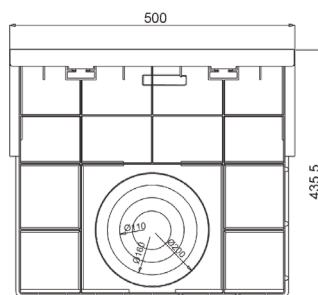


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet (100X120)	Galvanized steel
[mm]	[mm]	[mm]	[mm]	[kg/pc]		Article number
Channel with vertical outlet kit Ø100/110						
102	55	2 x Ø40	1 x Ø100/110	3,90	84	703003
127	80	2 x Ø63	1 x Ø100/110	4,10	70	703002
Channel with vertical outlet knockout Ø110						
161	100	2 x Ø63	1 x Ø110	4,40	56	703001
221	160	2 x Ø110	1 x Ø110	4,90	42	703000

Mufledrain Wing 100 channel accessories

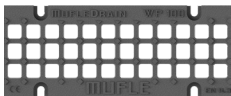




Image	Description	For channel internal height [mm]	Material	Article number
	Closed end-cap	55	PE	700508
		80	PE	700509
		100	PE	700510
		160	PE	700511
	Ø40 outlet end-cap	55	PE	700500
	Ø50 outlet end-cap	80	PE	700521
	Ø75 outlet end-cap	100	PE	700522
		160	PE	700523
	Vertical outlet KIT Ø100	55/80	PE	506114
	Vertical outlet KIT Ø110	55/80	PE	506115
	Step connectors from 100 mm to 160 mm	-	Composit	700516
	Bituminous sealant	-	-	500345

Mufledrain Wing 100 sump unit with galvanized steel rail



Description	Material	Height [mm]	Width [mm]	Length [mm]	Ø side outlet [mm]	Weight [kg/pc]	Galvanized steel Article number
Sump unit with female-female connection	PE	435,5	158	500	2xØ110 2xØ160 2xØ200	3,75	703016

Mufledrain Wing 100 channel gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number
D 400							
	Ductile iron square mesh	M8 bolt (not included)	148	498	22,5 x 22,5	4,80	503182
	Ductile iron slot 20	M8 bolt (not included)	148	498	82 x 20	4,75	503109
E 600							
	Ductile iron slot 20	M8 bolt (not included)	148	498	82 x 20	5,10	503110
	Ductile iron solid top cover	M8 bolt (not included)	148	498	-	6,00	503105
F 900							
	Ductile iron slot 20	M8 bolt (not included)	148	498	82 x 20	6,30	503173

Mufledrain Wing 100 grating accessories

Description	Material	Valid for	Article Number
M8 x 40 Black flanged hex head bolt	Galvanized steel	Mufledrain Wing 100 ductile iron grating	503312 ⁽¹⁾

⁽¹⁾Valid for 1 meter of channel

Mufledrain Wing 150

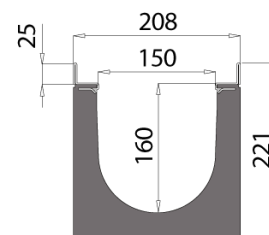
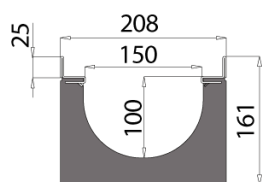
Product Information

- HD-PE drainage channel, internal width: 100 mm
- Galvanized steel rail
- Load class D400, F900 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request







Mufledrain Wing 150 channel with galvanized steel rail

Length 1000 mm, total width 208 mm

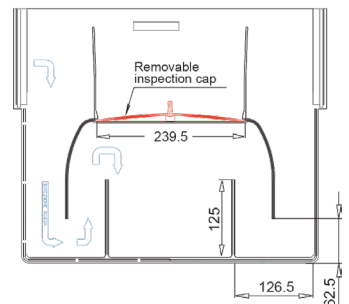
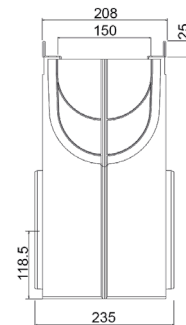
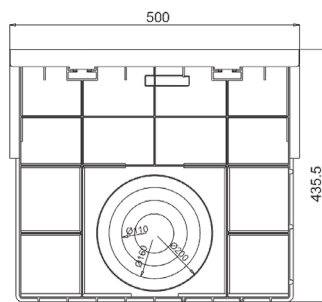


Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet (100X120)	Galvanized steel
[mm]	[mm]	[mm]	[mm]	[kg/pc]		Article number
Channel with vertical outlet Ø110						
161	100	2 x Ø63	1 x Ø110/160	4,80	40	703005
221	160	2 x Ø100	1 x Ø110/160	5,35	30	703004

Mufledrain Wing 150 channel accessories

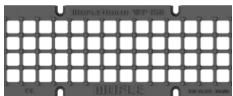


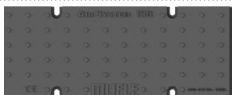

Image	Description	For channel internal height	Material	Article number
		[mm]		
	Closed end-cap	100	PE	700512
		160	PE	700513
	Ø75 outlet end-cap	100	PE	700524
	Ø110 outlet end-cap	160	PE	700505
	Step connectors from 100 mm a 160 mm	-	Composit	700517
	Bituminous sealant	-	-	500345

Mufledrain Wing 150 sump unit with galvanized steel rail



Description	Material	Height	Width	Length	Ø side outlet	Galvanized steel	
						Article number	Weight
		[mm]	[mm]	[mm]	[mm]		
Sump unit with female-female connection	PE	435,5	208	500	2xØ110 2xØ160 2xØ200	703017	3,70

Mufledrain Wing 150 channel gratings

Image	Description	Fixing system	Width [mm]	Lenght [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number
D 400							
	Ductile iron square mesh	M8 bolt (not included)	198	498	27 x 27	6,95	503183
	Ductile iron slot 20	M8 bolt (not included)	198	498	132 x 20	7,10	503112
E 600							
	Ductile iron slot 20	M8 bolt (not included)	198	498	132 x 20	7,50	503113
	Ductile iron solid top cover	M8 bolt (not included)	198	498	-	10,60	503106
F 900							
	Ductile iron slot 20	M8 bolt (not included)	198	498	132 x 20	8,50	503174

Mufledrain Wing 150 grating accessories

Description	Material	Valid for	Article number
M8 x 40 black flanged hex head bolt	Galvanized steel	Mufledrain Wing 150 ductile iron grating	503312 ⁽¹⁾

⁽¹⁾Valid for 1 meter of channel

Mufledrain Wing 200

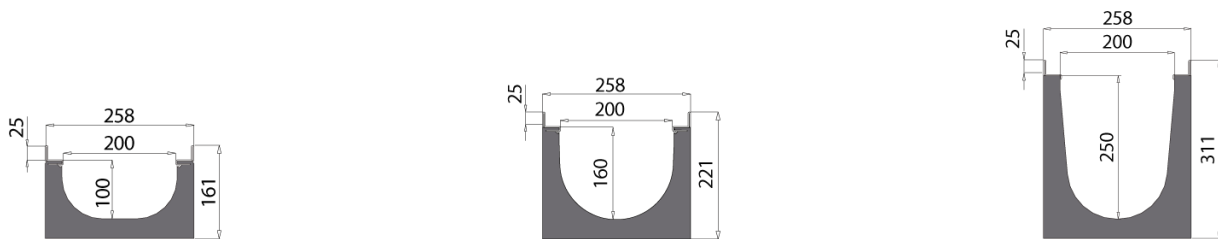
Product Information

- HD-PE drainage channel, internal width: 200 mm
- Galvanized steel rail
- Load class D400, F900 according to EN 1433
- Sump unit with foul air trap
- Side and vertical knockouts
- M8 bolt fixing system for gratings
- Special parts for corners, T-couplings and cross-couplings are available on request



Mufledrain Wing 200 channel with galvanized steel rail

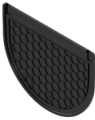
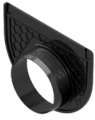

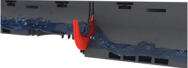

Length 1000 mm, total width 258 mm



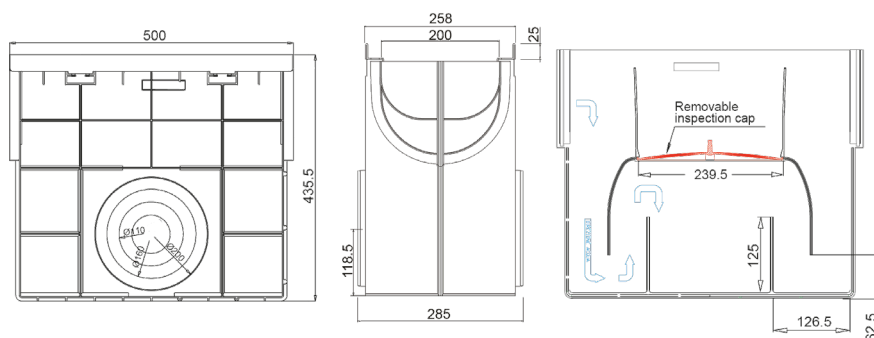
Total height	Internal height	Ø side outlet	Ø vertical outlet	Weight	Pieces/pallet (100X120)	Galvanized steel
[mm]	[mm]	[mm]	[mm]	[kg/pz]		Article number
161	100	2 x Ø63	1 x Ø200/160	5,15	32	703007
221	160	2 x Ø110	1 x Ø200/160	5,75	24	703006
311	250	2 x Ø160/200	1 x Ø200/160	7,50	16	503025

Channel with vertical outlet Ø200/160

Mufledrain Wing 200 channel accessories

Image	Description	For channel internal height [mm]	Material	Article number
	Closed end-cap	100	PE	700514
		160	PE	700515
	Ø75 outlet end-cap	100	PE	700526
	Ø110 outlet end-cap	160	PE	700507
	Closed end-cap with Ø160 knockout	250	PE	502416
	Step connectors from 100 mm to 160 mm	-	Composit	700519
	Step connectors from 160 mm to 250 mm	-	Composit	700518
	Bituminous sealant	-	-	500345

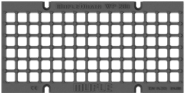



Mufledrain Wing 200 sump unit with galvanized steel rail



Description	Material	Height [mm]	Width [mm]	Length [mm]	Ø side outlet [mm]	Weight [kg/pc]	Galvanized steel Article number
Sump unit with female-female connection	PE	435,5	258	500	2xØ110 2xØ160 2xØ200	4,20	703018 ⁽¹⁾

⁽¹⁾It is not designed for connection to H250 channels

Mufledrain Wing 200 channel gratings

Image	Description	Fixing system	Width [mm]	Length [mm]	Slot/mesh [mm]	Weight [kg/pc]	Article number
D 400							
	Ductile iron square mesh	M8 bolt (not included)	248	498	24 x 25	8,50	503184
	Ductile iron slot 20	M8 bolt (not included)	248	498	182 x 20	8,20	503115
E 600							
	Ductile iron slot 20	M8 bolt (not included)	248	498	182 x 20	9,70	503116
	Ductile iron solid top cover	M8 bolt (not included)	248	498	-	12,00	503107
F 900							
	Ductile iron slot 20	M8 bolt (not included)	248	498	182 x 20	10,50	503175

Mufledrain Wing 200 grating accessories

Description	Material	Valid for	Article number
M8 x 40 Black flanged hex head bolt	Galvanized steel	Mufledrain Wing 200 ductile iron grating	503312 ⁽¹⁾

⁽¹⁾Valid for 1 meter of channel

